

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of claims:**

1. - 10. (cancelled)

11. (Currently amended) The A mutant lipase protein of *Candida antarctica* lipase B represented by SEQ.ID. No 14 ~~as set forth in claim 10~~, wherein the #219 leucine is replaced by a hydrophilic amino acid selected from a group consisting of glutamine, histidine, arginine, lysine, serine, threonine, aspartic acid and glutamic acid.

12. (Original) The mutant lipase protein as set forth in claim 11, wherein the #219 leucine is replaced by glutamine, and its amino acid sequence is represented by SEQ. ID. No 11.

13. (Canceled)

14. (Currently amended) The A mutant lipase protein of *Candida antarctica* lipase B represented by SEQ.ID. No 14 ~~as set forth in claim 13~~, wherein the #278 leucine is replaced by proline, and its amino acid sequence is represented by SEQ. ID. No 9.

15. (Currently amended) ~~The A mutant lipase protein of *Candida antarctica* lipase B represented by SEQ.ID. No 14 as set forth in claim 10,~~ wherein the #219 leucine is replaced by glutamine, and the #278 leucine is replaced by proline, and its amino acid sequence is represented by SEQ. ID. No 10.
16. (Currently amended) ~~A gene coding the mutant lipase protein of claim 10~~ A polynucleotide encoding the mutant lipase protein of claim 11.
17. (Currently amended) ~~The gene as set forth in claim 16, wherein the gene has a base sequence represented by SEQ. ID. No 8 coding the mutant lipase protein of claim 14~~ The polynucleotide as set forth in claim 16, wherein the nucleotide sequence is represented by SEQ. ID. No 8.
18. (Currently amended) ~~The gene as set forth in claim 16, wherein the gene has a base sequence represented by SEQ. ID. No 6 coding the mutant lipase protein of claim 13~~ A polynucleotide encoding the mutant lipase protein of claim 14.
19. (Currently amended) ~~The gene~~ A polynucleotide, comprising ~~as set forth in claim 16, wherein the gene~~ a base sequence represented by SEQ. ID. No 7 coding the mutant lipase protein of claim 15.
20. (Currently amended) An expression vector ~~containing~~ comprising the gene polynucleotide of claim 16.

21. (Currently amended) The expression vector as set forth in claim 20, wherein the vector is ~~composed of~~ comprises a promoter gene, a secretion signal sequence gene, a gene polynucleotide of SEQ. ID. No. 8 ~~claim 17~~, a terminator gene and/or a surface display-mediating gene.
22. (Currently amended) ~~The expression vector as set forth in claim 20, wherein the vector is composed of a promoter gene, a secretion signal sequence gene, a gene of claim 18, a terminator gene and/or a surface display-mediating gene~~ An expression vector comprising the polynucleotide of claim 18.
23. (Currently amended) ~~The expression vector as set forth in claim 20, wherein the vector is composed of a promoter gene, a secretion signal sequence gene, a gene of claim 19, a terminator gene and/or a surface display-mediating gene~~ An expression vector comprising the polynucleotide of claim 19.
24. - 26. (Canceled)
27. (Original) A transformant in which the expression vector of claim 20 is introduced.
28. (Currently amended) ~~The A transformant as set forth in claim 27, which in which the expression vector of claim 22 is introduced, and is deposited under Accession No:KCTC10320BP.~~

29. ~~(Currently amended) The transformant as set forth in claim 27, which is deposited under Accession No:KCTC10321BP~~ A transformant in which the expression vector of claim 23 is introduced.
30. ~~(Currently amended) A method for producing the mutant lipase protein of claim 10 11, by cultivation comprising cultivation of a transformant in which an expression vector containing a gene coding the mutant lipase protein is introduced the transformant of claim 27.~~
31. ~~(Currently amended) The method as set forth in claim 30, wherein the culture temperature is 2°C – 20°C lower than temperature of host cell culture~~ A method for producing the mutant lipase protein of claim 14, comprising cultivating the transformant of claim 28.
32. ~~(Currently amended) The method as set forth in claim 31, wherein the culture temperature is 25°C – 35°C as the transformant is *Hansenula*~~ A method for producing the mutant lipase protein of claim 15 comprising cultivating the transformant of claim 29.
33. ~~(Currently amended) The method as set forth in claim 31, wherein the culture temperature is 20°C – 28°C as the transformant is *Saccharomyces*~~ The method as set forth in any of claims 30 – 32, wherein the culture temperature is 2°C - 20°C lower than temperature of host cell culture.

34. (New) The method as set forth in any of claims 30 - 32, wherein the culture temperature is 25°C - 35°C and the transformant is *Hansenula*.
35. (New) The method as set forth in any of claims 30 - 32, wherein the culture temperature is 20°C - 28°C and the transformant is *Saccharomyces*.